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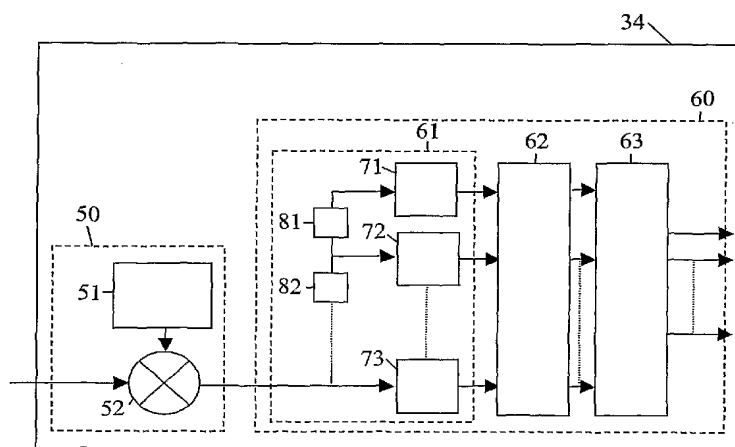
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(54) Title: STATION COMPRISING A RAKE RECEIVER



(57) Abstract: Stations like mobile terminals, bases stations and network nodes comprising rake receivers with fingers require relatively many calculations to be performed for despreading a symbol. By replacing despreading multipliers, integrators and dumpers in the fingers by Hadamard transformers (62), chips of several symbols with orthogonal channelization codes can be despread simultaneously, and the station and the rake receiver have become more efficient. The despreading section (60 of the finger (34) comprises the Hadamard transformer (62) and a serial-to-parallel converter (61) comprising downsamplers (71-73). The station is a high-speed downlink packet access station (HSDPA) in a universal mobile telecommunication system (UMTS), with a number of de-channelization codes used being at least ten percent of a despreading factor used. For example, the despreading factor used is equal to sixteen, with the maximum possible number of de-channelization codes used being equal to five, ten or fifteen, depending on the capability class of the station.

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